

11/21/01

12-03-01

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JC498 U.S. PTO

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	51013.P005
First Inventor	William T. Brown
Title	Automated Analysis of Turbine Components
Express Mail Label No.	EV051081768US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.
See 37 CFR 1.27.
- ☒ Specification [Total Pages **43**]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
- ☒ Oath or Declaration [Total Pages **4**]
 - ☒ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - ☐ CD-ROM or CD-R (2 copies); or
 - ☐ paper
 - ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No.: _____
---------------------------------------	-------------------------------------	---	---------------------------------

Prior application information. Examiner: _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	000025943 <i>(Insert Customer No. or Attach bar code label here)</i>	or <input type="checkbox"/> Correspondence address below
---	--	--

Name	Columbia IP Law Group, PC				
Address	10260 SW Greenburg Road				
	Suite 820				
City	Portland	State	Oregon	Zip Code	97223
Country	USA	Telephone	(503) 595-2800	Fax	(503) 595-2804

Name (Print/Type)	Aloysius T.C. AuYeung	Registration No. (Attorney/Agent)	35,432
Signature		Date	11/21/2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL
for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1,004.00)**Complete if Known**

Application Number	Not yet assigned
Filing Date	November 21, 2001
First Named Inventor	William T. Brown, Brian A. Dalio
Examiner Name	Not yet assigned
Group Art Unit	Not yet assigned
Attorney Docket No.	51013.P005

METHOD OF PAYMENT

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 501569

Deposit Account Name: Columbia IP Law Group, PC

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	370.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	760	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 370.00)**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
72	-20**= 52	X 9 00	= 468 00
Independent Claims	6	-3**= 3	X 42 00 = 126 00
Multiple Dependent			

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in Excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 594.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type): Aloysius T.C. AuYeung Registration No. (Attorney/Agent): 35,432 Telephone: 503-595-2800

Signature: _____ Date: November 21, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

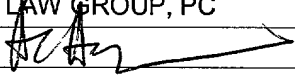
PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.


TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	Not yet assigned	
	Filing Date	November 21, 2001	
	First Named Inventor	William T. Brown	
	Group Art Unit	Not yet assigned	
	Examiner Name	Not yet assigned	
Total Number of Pages in This Submission	10	Attorney Docket Number	51013.P005

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Return Receipt Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2. Submission of Original Filing of Non-Provisional Patent Application Under Suspension of "Express Mail" Service by U.S. Postal Service to Zip Codes 202XX and 205XX (3 pages)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
3. Sealed Express Mail Package- EV051081768US containing materials listed in item No. 2 (1 envelope)		
4. Declaration of Michelle Turner in Support of Submission of Original Filing of Non-Provisional Patent Application Under Suspension of "Express Mail" Service by U.S. Postal Service to Zip Codes 202XX AND 205XX (3 pages)		
5. Printed Notice of Suspension of Service by USPS (1 page)		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Aloysius T.C. AuYeung, Reg. No. 35,432 COLUMBIA IP LAW GROUP, PC
Signature	
Date	November 27, 2001

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 11/27/01	
Typed or printed name	Heather L. Adamson
Signature	
Date	11/27/01

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Brown et al.

Application No.: To Be Assigned

Filed: November 21, 2001

For: AUTOMATED ANALYSIS OF TURBINE
COMPONENT THERMAL
RESPONSE

Examiner: To Be Assigned

Art Unit: To Be Assigned

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Registered Mail" in an envelope addressed to: Commissioner for Patents, Box Filing Date, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

November 21, 2001
DATE

Heather L. Adamson

TYPED OR PRINTED NAME

Heather L. Adamson
SIGNATURE

Commissioner for Patents
Box Filing Date
U.S. Patent and Trademark Office
P.O. Box 2327,
Arlington, VA 22202

SUBMISSION OF ORIGINAL FILING OF NON-PROVISIONAL PATENT**APPLICATION UNDER SUSPENSION OF "EXPRESS MAIL" SERVICE BY****U.S. POSTAL SERVICE TO ZIP CODES 202XX AND 205XX**

Sir:

Submitted herewith are:

(a) A sealed Express Mail Package (No. EV051081768US) containing the original filing package of the captioned application including

(1) the captioned application (43 pages),

10006436 43401

- (2) Check#05547 in the amount of \$1004.00 for the applicable fees,
(3) Declaration and Power of Attorney (4 pages)
(4) Assignment of the captioned application (3 pages)
(5) Drawings (6 sheets of 7 Fig.s)
(6) Fee Transmittal Sheet (1 page in duplicate)
(7) Original Transmittal Letter (1 page), and
(8) Return Receipt Postcard; and

(b) A declaration by Michelle Turner, attesting to the fact that the above described sealed Express Mail package was prepared, completed and taken to the U.S. Postal Service Station located at Highway 99, Tigard, Oregon, on or about 4:30pm Wednesday, November 21, 2001, for deposit and mailing to the U.S. Patent and Trademark Office, but was not accepted due to the suspension of Express Mail Service to Zip Codes 202xx and 205xx in effect at the time.

Applicants respectfully request the enclosed application be accepted, and accorded the priority date of November 21, 2001.

Please charge any shortages and credit any overages to our Deposit
Account No. 501569.

Respectfully submitted,
COLUMBIA IP LAW GROUP, PC

Date: November 27, 2001



Aloysius T.C. AuYeung
Reg. No. 35,432

10260 SW Greenburg Road
Portland, Oregon 97223
Phone: (503) 595-2800
FAX: (503) 595-2804

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Examiner: To Be Assigned

Brown et al.

Art Unit: To Be Assigned

Application No.: To Be Assigned

Filed: November 21, 2001

For: AUTOMATED ANALYSIS OF TURBINE
COMPONENT THERMAL
RESPONSE**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Registered Mail" in an envelope addressed to: Commissioner for Patents, Box Filing Date, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

November 21, 2001
DATE

Heather L. Adamson
TYPED OR PRINTED NAME

Heather Adamson
SIGNATURE

Commissioner for Patents
Box Filing Date
U.S. Patent and Trademark Office
P.O. Box 2327,
Arlington, VA 22202

DECLARATION BY MICHELLE TURNER IN SUPPORT OF SUBMISSION OF
ORIGINAL FILING OF NON-PROVISIONAL PATENT APPLICATION UNDER
SUSPENSION OF "EXPRESS MAIL" SERVICE BY U.S. POSTAL SERVICE
TO ZIP CODES 202XX AND 205XX

Sir:

I, Michelle J. Turner, hereby declare that

(a) I am a resident of Washington County, Oregon;

*Receipt date granted
is 11/21/01.
J. Chang
from GPLA*

10006436-1-12-101

(b) I am employed as a Paralegal by the Firm of Columbia IP Law Group, PC;

(c) My regular duties include preparation of U.S. Non-Provisional Patent Application filing packages, including taking and depositing such packages with the U.S. Postal Services for mailing to the U.S. Patent and Trademark Office;

(d) On Wednesday, November 21, 2001, at the request of the preparation attorney, I prepared the sealed Express Mail package bearing the Express Mail no. EV051081768US, and on or about 4:30pm on said day, took said package to U.S. Postal Service Station located at Highway 99, Tigard, Washington County, Oregon for deposit and mailing to the U.S. Patent and Trademark Office;

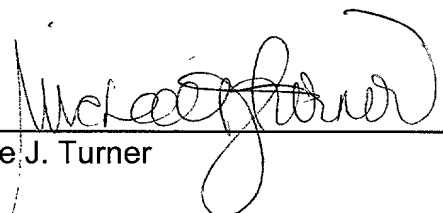
(e) Said package was not accepted by the U.S. Postal Service, and the reason for non-acceptance, as conveyed by the U.S. Postal Service Personnel on duty at the time, was because Express Mail Service to Zip Codes 202xx and 205xx was in suspension at the time;

(f) A printed notice of said suspension of service was provided to me by the U.S. Postal Service Personnel on duty at the time (attached herewith as Exhibit A); and

(g) Said package has remained in my custody through the Thanksgiving holidays and weekend, and to the best of my knowledge, has not been opened or altered.

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Date: November 27, 2001



Michelle J. Turner

10260 SW Greenburg Road,
Portland, Oregon 97223
Phone: (503) 595-2800
FAX: (503) 595-2804

10006436-443401

EXHIBIT A

Message Center Summary November 21, 2001

November 21, 2001

!! Suspension of Express Mail to ZIP Codes 202-205

Suspension of Express Mail Service to Washington, D.C., Federal Government Agencies (ZIP Codes 202 .C6 205).

Express Mail Service has been temporarily suspended to federal government agencies in Washington, D.C. (ZIP Codes 202 through 205), due to current operating conditions and government security measures. The suspension applies to all retail units, including contract units.

This service suspension cannot be enforced through the POS ONE system, so retail personnel must be alert when handling mail addressed to ZIP Codes 202 .C6 205. Advise your customers to use First-Class Mail for articles sent to the affected ZIP Codes. You will be notified when Express Mail Service is restored to federal agencies in Washington, D.C.
IBM Message 00100-011121

November 21, 2001

!! Adjusted Express Mail Commitments for Nov. 21

REMINDER: On Wednesday, November 21, POS ONE will display regular weekday commitments for Express Mail. Due to limited transportation availability, the weekend service commitment should be used instead. Refer to IBM Flash 35 / NCR Flash 29 (dated November 16) for detailed instructions.

IBM Message 00101-011121

November 20, 2001

!! Adjusted Express Mail Commitments for Nov. 21

On Wednesday, November 21, POS ONE will display regular weekday commitments for Express Mail. Due to limited transportation availability, the weekend service commitment should be used instead. In many cases the commitment displayed by POS ONE will not be realistic and will require adjustment. If POS ONE indicates a two-day service commitment, no adjustment is necessary. See the EXPANDED TEXT for more information.

IBM Message 00099-011120

KH396G

10006436 . 112101